

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/561,487A
Source: JFWO
Date Processed by STIC: 11/20/2006

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IFWO

RAW SEQUENCE LISTING

DATE: 11/20/2006

PATENT APPLICATION: US/10/561,487A

TIME: 13:51:21

Input Set : N:\efs\10561487a_efs\66168_03SeqList.txt

Output Set: N:\CRF4\11202006\J561487A.raw

3 <110> APPLICANT: The Government of the United States of America as
 4 represented by the Secretary of the Department of Health and
 5 Human Services
 6 Drayna, Dennis
 7 Kim, Un-kyung
 9 <120> TITLE OF INVENTION: VARIANTS OF HUMAN TASTE RECEPTOR GENES
 11 <130> FILE REFERENCE: 4239-66168-03
 13 <140> CURRENT APPLICATION NUMBER: US 10/561,487A
 14 <141> CURRENT FILING DATE: 2005-12-19
 16 <150> PRIOR APPLICATION NUMBER: US 60/480,035
 17 <151> PRIOR FILING DATE: 2003-06-19
 19 <150> PRIOR APPLICATION NUMBER: PCT/US2004/19489
 20 <151> PRIOR FILING DATE: 2004-06-19
 22 <160> NUMBER OF SEQ ID NOS: 264
 24 <170> SOFTWARE: PatentIn version 3.3
 26 <210> SEQ ID NO: 1
 27 <211> LENGTH: 900
 28 <212> TYPE: DNA
 29 <213> ORGANISM: Homo sapiens
 32 <220> FEATURE:
 33 <221> NAME/KEY: CDS
 34 <222> LOCATION: (1)..(900)
 36 <220> FEATURE:
 37 <221> NAME/KEY: variation
 38 <222> LOCATION: (332)..(332)
 39 <223> OTHER INFORMATION: r is g or a
 41 <220> FEATURE:
 42 <221> NAME/KEY: variation
 43 <222> LOCATION: (616)..(616)
 44 <223> OTHER INFORMATION: y is t or c
 46 <400> SEQUENCE: 1
 47 atg cta gag tct cac ctc att atc tat ttt ctt ctt gca gtg ata caa 48
 48 Met Leu Glu Ser His Leu Ile Ile Tyr Phe Leu Leu Ala Val Ile Gln
 49 1 5 10 15
 51 ttt ctt ctt ggg att ttc aca aat ggc atc att gtg gtg gtg aat ggc 96
 52 Phe Leu Leu Gly Ile Phe Thr Asn Gly Ile Ile Val Val Val Asn Gly
 53 20 25 30
 55 att gac ttg atc aag cac aga aaa atg gct ccg ctg gat ctc ctt ctt 144
 56 Ile Asp Leu Ile Lys His Arg Lys Met Ala Pro Leu Asp Leu Leu Leu
 57 35 40 45
 59 tct tgt ctg gca gtt tct aga att ttt ctg cag ttg ttc atc ttc tac 192
 60 Ser Cys Leu Ala Val Ser Arg Ile Phe Leu Gln Leu Phe Ile Phe Tyr
 61 50 55 60

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63 gtt aat gtg att gtt atc ttc ttc ata gaa ttc atc atg tgt tct gcg      240
64 Val Asn Val Ile Val Ile Phe Phe Ile Glu Phe Ile Met Cys Ser Ala
65 65              70              75              80
67 aat tgt gca att ctc tta ttt ata aat gaa ttg gaa ctt tgg ctt gcc      288
68 Asn Cys Ala Ile Leu Leu Phe Ile Asn Glu Leu Glu Leu Trp Leu Ala
69              85              90              95
71 aca tgg ctc ggc gtt ttc tat tgt gcc aag gtt gcc agc gtc crt cac      336
W--> 72 Thr Trp Leu Gly Val Phe Tyr Cys Ala Lys Val Ala Ser Val Xaa His
73              100              105              110
75 cca ctc ttc atc tgg ttg aag atg agg ata tcc aag ctg gtc cca tgg      384
76 Pro Leu Phe Ile Trp Leu Lys Met Arg Ile Ser Lys Leu Val Pro Trp
77              115              120              125
79 atg atc ctg ggg tct ctg cta tat gta tct atg att tgt gtt ttc cat      432
80 Met Ile Leu Gly Ser Leu Leu Tyr Val Ser Met Ile Cys Val Phe His
81              130              135              140
83 agc aaa tat gca ggg ttt atg gtc cca tac ttc cta agg aaa ttt ttc      480
84 Ser Lys Tyr Ala Gly Phe Met Val Pro Tyr Phe Leu Arg Lys Phe Phe
85 145              150              155              160
87 tcc caa aat gcc acc att caa aaa gaa gat aca ctg gct ata cag att      528
88 Ser Gln Asn Ala Thr Ile Gln Lys Glu Asp Thr Leu Ala Ile Gln Ile
89              165              170              175
91 ttc tct ttt gtt gct gag ttc tca gtg cca ttg ctt atc ttc ctt ttt      576
92 Phe Ser Phe Val Ala Glu Phe Ser Val Pro Leu Leu Ile Phe Leu Phe
93              180              185              190
95 gct gtt ttg ctc ttg att ttc tct ctg ggg agg cac acc ygg caa atg      624
W--> 96 Ala Val Leu Leu Leu Ile Phe Ser Leu Gly Arg His Thr Xaa Gln Met
97              195              200              205
99 aga aac aca gtg gcc ggc agc agg gtt cct ggc agg ggt gca ccc atc      672
100 Arg Asn Thr Val Ala Gly Ser Arg Val Pro Gly Arg Gly Ala Pro Ile
101              210              215              220
103 agc gcg ttg ctg tct atc ctg tcc ttc ctg atc ctc tac ttc tcc cac      720
104 Ser Ala Leu Leu Ser Ile Leu Ser Phe Leu Ile Leu Tyr Phe Ser His
105 225              230              235              240
107 tgc atg ata aaa gtt ttt ctc tct tct cta aag ttt cac atc aga agg      768
108 Cys Met Ile Lys Val Phe Leu Ser Ser Leu Lys Phe His Ile Arg Arg
109              245              250              255
111 ttc atc ttt ctg ttc ttc atc ctt gtg att ggt ata tac cct tct gga      816
112 Phe Ile Phe Leu Phe Phe Ile Leu Val Ile Gly Ile Tyr Pro Ser Gly
113              260              265              270
115 cac tct ctc atc tta att tta gga aat cct aaa ttg aaa caa aat gca      864
116 His Ser Leu Ile Leu Ile Leu Gly Asn Pro Lys Leu Lys Gln Asn Ala
117              275              280              285
119 aaa aag ttc ctc ctc cac agt aag tgc tgt cag tga      900
120 Lys Lys Phe Leu Leu His Ser Lys Cys Cys Gln
121              290              295
124 <210> SEQ ID NO: 2
125 <211> LENGTH: 299
126 <212> TYPE: PRT
127 <213> ORGANISM: Homo sapiens

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129 <220> FEATURE:
130 <221> NAME/KEY: misc_feature
131 <222> LOCATION: (111)..(111)
132 <223> OTHER INFORMATION: The 'Xaa' at location 111 stands for Arg, or His.
134 <220> FEATURE:
135 <221> NAME/KEY: misc_feature
136 <222> LOCATION: (206)..(206)
137 <223> OTHER INFORMATION: The 'Xaa' at location 206 stands for Arg, or Trp.
139 <400> SEQUENCE: 2
141 Met Leu Glu Ser His Leu Ile Ile Tyr Phe Leu Leu Ala Val Ile Gln
142 1 5 10 15
145 Phe Leu Leu Gly Ile Phe Thr Asn Gly Ile Ile Val Val Val Asn Gly
146 20 25 30
149 Ile Asp Leu Ile Lys His Arg Lys Met Ala Pro Leu Asp Leu Leu Leu
150 35 40 45
153 Ser Cys Leu Ala Val Ser Arg Ile Phe Leu Gln Leu Phe Ile Phe Tyr
154 50 55 60
157 Val Asn Val Ile Val Ile Phe Phe Ile Glu Phe Ile Met Cys Ser Ala
158 65 70 75 80
161 Asn Cys Ala Ile Leu Leu Phe Ile Asn Glu Leu Glu Leu Trp Leu Ala
162 85 90 95
W--> 165 Thr Trp Leu Gly Val Phe Tyr Cys Ala Lys Val Ala Ser Val Xaa His
166 100 105 110
169 Pro Leu Phe Ile Trp Leu Lys Met Arg Ile Ser Lys Leu Val Pro Trp
170 115 120 125
173 Met Ile Leu Gly Ser Leu Leu Tyr Val Ser Met Ile Cys Val Phe His
174 130 135 140
177 Ser Lys Tyr Ala Gly Phe Met Val Pro Tyr Phe Leu Arg Lys Phe Phe
178 145 150 155 160
181 Ser Gln Asn Ala Thr Ile Gln Lys Glu Asp Thr Leu Ala Ile Gln Ile
182 165 170 175
185 Phe Ser Phe Val Ala Glu Phe Ser Val Pro Leu Leu Ile Phe Leu Phe
186 180 185 190
W--> 189 Ala Val Leu Leu Leu Ile Phe Ser Leu Gly Arg His Thr Xaa Gln Met
190 195 200 205
193 Arg Asn Thr Val Ala Gly Ser Arg Val Pro Gly Arg Gly Ala Pro Ile
194 210 215 220
197 Ser Ala Leu Leu Ser Ile Leu Ser Phe Leu Ile Leu Tyr Phe Ser His
198 225 230 235 240
201 Cys Met Ile Lys Val Phe Leu Ser Ser Leu Lys Phe His Ile Arg Arg
202 245 250 255
205 Phe Ile Phe Leu Phe Phe Ile Leu Val Ile Gly Ile Tyr Pro Ser Gly
206 260 265 270
209 His Ser Leu Ile Leu Ile Leu Gly Asn Pro Lys Leu Lys Gln Asn Ala
210 275 280 285
213 Lys Lys Phe Leu Leu His Ser Lys Cys Cys Gln
214 290 295
217 <210> SEQ ID NO: 3
218 <211> LENGTH: 951

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Output Set: N:\CRF4\11202006\J561487A.raw

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219 <212> TYPE: DNA
220 <213> ORGANISM: Homo sapiens
223 <220> FEATURE:
224 <221> NAME/KEY: CDS
225 <222> LOCATION: (1)..(951)
227 <220> FEATURE:
228 <221> NAME/KEY: variation
229 <222> LOCATION: (349)..(349)
230 <223> OTHER INFORMATION: y is t or c
232 <220> FEATURE:
233 <221> NAME/KEY: variation
234 <222> LOCATION: (807)..(807)
235 <223> OTHER INFORMATION: y is t or c
237 <220> FEATURE:
238 <221> NAME/KEY: variation
239 <222> LOCATION: (852)..(852)
240 <223> OTHER INFORMATION: y is t or c
242 <400> SEQUENCE: 3
243 atg atg gga ctc acc gag ggg gtg ttc ctg att ctg tct ggc acc cag 48
244 Met Met Gly Leu Thr Glu Gly Val Phe Leu Ile Leu Ser Gly Thr Gln
245 1 5 10 15
247 ttc aca ctg gga att ctg gtc aat tgt ttc att gag ttg gtc aat ggt 96
248 Phe Thr Leu Gly Ile Leu Val Asn Cys Phe Ile Glu Leu Val Asn Gly
249 20 25 30
251 agc agc tgg ttc aag acc aag aga atg tct ttg tct gac ttc atc atc 144
252 Ser Ser Trp Phe Lys Thr Lys Arg Met Ser Leu Ser Asp Phe Ile Ile
253 35 40 45
255 acc acc ctg gca ctc ttg agg atc att ctg ctg tgt att atc ttg act 192
256 Thr Thr Leu Ala Leu Leu Arg Ile Ile Leu Leu Cys Ile Ile Leu Thr
257 50 55 60
259 gat agt ttt tta ata gaa ttc tct ccc aac aca cat gat tca ggg ata 240
260 Asp Ser Phe Leu Ile Glu Phe Ser Pro Asn Thr His Asp Ser Gly Ile
261 65 70 75 80
263 ata atg caa att att gat gtt tcc tgg aca ttt aca aac cat ctg agc 288
264 Ile Met Gln Ile Ile Asp Val Ser Trp Thr Phe Thr Asn His Leu Ser
265 85 90 95
267 att tgg ctt gcc acc tgt ctt ggt gtc ctc tac tgc ctg aaa atc gcc 336
268 Ile Trp Leu Ala Thr Cys Leu Gly Val Leu Tyr Cys Leu Lys Ile Ala
269 100 105 110
271 agt ttc tct cac ycc aca ttc ctc tgg ctc aag tgg aga gtt tct agg 384
W--> 272 Ser Phe Ser His Xaa Thr Phe Leu Trp Leu Lys Trp Arg Val Ser Arg
273 115 120 125
275 gtg atg gta tgg atg ctg ttg ggt gca ctg ctc tta tcc tgt ggt agt 432
276 Val Met Val Trp Met Leu Leu Gly Ala Leu Leu Leu Ser Cys Gly Ser
277 130 135 140
279 acc gca tct ctg atc aat gag ttt aag ctc tat tct gtc ttt agg gga 480
280 Thr Ala Ser Leu Ile Asn Glu Phe Lys Leu Tyr Ser Val Phe Arg Gly
281 145 150 155 160
283 att gag gcc acc agg aat gtg act gaa cac ttc aga aag aag agg agt 528

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284 Ile Glu Ala Thr Arg Asn Val Thr Glu His Phe Arg Lys Lys Arg Ser
285                               165                               170                               175
287 gag tat tat ctg atc cat gtt ctt ggg act ctg tgg tac ctg cct ccc      576
288 Glu Tyr Tyr Leu Ile His Val Leu Gly Thr Leu Trp Tyr Leu Pro Pro
289                               180                               185                               190
291 tta att gtg tcc ctg gcc tcc tac tct ttg ctc atc ttc tcc ctg ggg      624
292 Leu Ile Val Ser Leu Ala Ser Tyr Ser Leu Leu Ile Phe Ser Leu Gly
293                               195                               200                               205
295 agg cac aca cgg cag atg ctg caa aat ggg aca agc tcc aga gat cca      672
296 Arg His Thr Arg Gln Met Leu Gln Asn Gly Thr Ser Ser Arg Asp Pro
297                               210                               215                               220
299 acc act gag gcc cac aag agg gcc atc aga atc atc ctt tcc ttc ttc      720
300 Thr Thr Glu Ala His Lys Arg Ala Ile Arg Ile Ile Leu Ser Phe Phe
301 225                               230                               235                               240
303 ttt ctc ttc tta ctt tac ttt ctt gct ttc tta att gca tca ttt ggt      768
304 Phe Leu Phe Leu Leu Tyr Phe Leu Ala Phe Leu Ile Ala Ser Phe Gly
305                               245                               250                               255
307 aat ttc cta cca aaa acc aag atg gct aag atg att ggy gaa gta atg      816
W--> 308 Asn Phe Leu Pro Lys Thr Lys Met Ala Lys Met Ile Xaa Glu Val Met
309                               260                               265                               270
311 aca atg ttt tat cct gct ggc cac tca ttt att cty att ctg ggg aac      864
W--> 312 Thr Met Phe Tyr Pro Ala Gly His Ser Phe Ile Xaa Ile Leu Gly Asn
313                               275                               280                               285
315 agt aag ctg aag cag aca ttt gta gtg atg ctc cgg tgt gag tct ggt      912
316 Ser Lys Leu Lys Gln Thr Phe Val Val Met Leu Arg Cys Glu Ser Gly
317                               290                               295                               300
319 cat ctg aag cct gga tcc aag gga ccc att ttc tct tag      951
320 His Leu Lys Pro Gly Ser Lys Gly Pro Ile Phe Ser
321 305                               310                               315
324 <210> SEQ ID NO: 4
325 <211> LENGTH: 316
326 <212> TYPE: PRT
327 <213> ORGANISM: Homo sapiens
329 <220> FEATURE:
330 <221> NAME/KEY: misc_feature
331 <222> LOCATION: (117)..(117)
332 <223> OTHER INFORMATION: The 'Xaa' at location 117 stands for Pro, or Ser.
334 <220> FEATURE:
335 <221> NAME/KEY: misc_feature
336 <222> LOCATION: (269)..(269)
337 <223> OTHER INFORMATION: The 'Xaa' at location 269 stands for Gly.
339 <220> FEATURE:
340 <221> NAME/KEY: misc_feature
341 <222> LOCATION: (284)..(284)
342 <223> OTHER INFORMATION: The 'Xaa' at location 284 stands for Leu.
344 <400> SEQUENCE: 4
346 Met Met Gly Leu Thr Glu Gly Val Phe Leu Ile Leu Ser Gly Thr Gln
347 1                               5                               10                               15
350 Phe Thr Leu Gly Ile Leu Val Asn Cys Phe Ile Glu Leu Val Asn Gly

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 111,206
Seq#:2; Xaa Pos. 111,206
Seq#:3; Xaa Pos. 117,269,284
Seq#:4; Xaa Pos. 117,269,284
Seq#:5; Xaa Pos. 3,7,62,96,171
Seq#:6; Xaa Pos. 3,7,62,96,171
Seq#:7; Xaa Pos. 26,79,113,167,213,294
Seq#:8; Xaa Pos. 26,79,113,167,213,294
Seq#:9; Xaa Pos. 263
Seq#:10; Xaa Pos. 263
Seq#:11; Xaa Pos. 166,183,277,308
Seq#:12; Xaa Pos. 166,183,277,308
Seq#:13; Xaa Pos. 67,150,187,289,294
Seq#:14; Xaa Pos. 67,150,187,289,294
Seq#:15; Xaa Pos. 40,156,174,188,209
Seq#:16; Xaa Pos. 40,156,174,188,209
Seq#:17; Xaa Pos. 259
Seq#:18; Xaa Pos. 259
Seq#:19; Xaa Pos. 86
Seq#:20; Xaa Pos. 86
Seq#:21; Xaa Pos. 100,101,154,172,222,282
Seq#:22; Xaa Pos. 100,101,154,172,222,282
Seq#:23; Xaa Pos. 49,80,262,274,296
Seq#:24; Xaa Pos. 49,80,262,274,296
Seq#:25; Xaa Pos. 193,197
Seq#:26; Xaa Pos. 193,197
Seq#:27; Xaa Pos. 187,273
Seq#:28; Xaa Pos. 187,273
Seq#:29; Xaa Pos. 63,127,195
Seq#:30; Xaa Pos. 63,127,195
Seq#:31; Xaa Pos. 35,90,154,170,200,212,221,294,295,297
Seq#:32; Xaa Pos. 35,90,154,170,200,212,221,294,295,297
Seq#:33; Xaa Pos. 35,162,200,217,227,240,248,276,281
Seq#:34; Xaa Pos. 35,162,200,217,227,240,248,276,281
Seq#:35; Xaa Pos. 36,228,250,288
Seq#:36; Xaa Pos. 36,228,250,288
Seq#:39; Xaa Pos. 32,109,140,152,225,240,267,295,299
Seq#:40; Xaa Pos. 32,109,140,152,225,240,267,295,299
Seq#:41; Xaa Pos. 141,143,148,172,236,252,255,270
Seq#:42; Xaa Pos. 141,143,148,172,236,252,255,270
Seq#:45; Xaa Pos. 199
Seq#:46; Xaa Pos. 199

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Input Set : N:\efs\10561487a_efs\66168_03SeqList.txt

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L:72 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:336
L:96 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:624
L:165 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:96
L:189 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:192
L:272 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:384
L:308 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:816
L:312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:864
L:374 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:112
L:410 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:256
L:414 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:272
L:463 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:48
L:475 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:192
L:483 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:288
L:503 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:528
L:571 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:583 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:48
L:591 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:80
L:611 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:160
L:693 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:96
L:705 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:240
L:717 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:384
L:729 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:528
L:741 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:672
L:761 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:900
L:806 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:16
L:818 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:64
L:830 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:112
L:842 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:160
L:854 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:208
L:874 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:288
L:959 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:816
L:1051 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:256
L:1139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:528
L:1143 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:576
L:1167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:864
L:1175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:930
L:1246 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:160
L:1250 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:176
L:1274 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:272
L:1282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:304
L:1339 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:240
L:1359 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:480
L:1367 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:576
L:1395 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:912
L:1451 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:64
L:1471 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:144
L:1479 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:176
L:1507 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:288

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Input Set : N:\efs\10561487a_efs\66168_03SeqList.txt

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L:1560 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:144
L:1588 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:480
L:1592 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:528
L:1596 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:576
L:1604 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:672
L:1672 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:32
L:1700 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:144
L:1704 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:160
L:1708 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:176
L:1716 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:208
L:1825 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:816
L:1913 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:256
L:1962 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:288
L:2054 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:80
L:2180 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:336
L:2192 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:480
L:2196 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:528
L:2208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:672
L:2224 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:864
L:2293 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:96
L:2305 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:144
L:2309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:160
L:2321 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:208
L:2337 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:272
L:2394 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:192
L:2398 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:240
L:2446 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:816
L:2450 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:864
L:2454 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:912
L:2510 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:48
L:2514 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:64
L:2562 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:256
L:2566 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:272
L:2570 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:288
L:2652 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:624
L:2757 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:192
L:2863 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:576
L:2887 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:864
L:2964 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:176
L:2988 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:272
L:3043 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:192
L:3059 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:384
L:3079 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:624
L:3145 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:48
L:3161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:112
L:3181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:192
L:3283 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:144
L:3295 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:288
L:3311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:480

VERIFICATION SUMMARY

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TIME: 13:51:22

Input Set : N:\efs\10561487a_efs\66168_03SeqList.txt

Output Set: N:\CRF4\11202006\J561487A.raw

L:3315 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:528
L:3323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:624
L:3327 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:672
L:3347 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:912
L:3420 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:32
L:3432 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:80
L:3448 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:144
L:3452 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:160
L:3460 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:192
L:3464 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:208
L:3484 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:288
L:3557 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:144
L:3589 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:528
L:3597 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:624
L:3601 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:672
L:3605 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:720
L:3609 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:768
L:3617 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:864
L:3689 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:32
L:3721 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:160
L:3729 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:192
L:3733 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:208
L:3737 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:224
L:3741 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:240
L:3749 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:272
L:3801 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:144
L:3849 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:720
L:3853 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:768
L:3861 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:864
L:3904 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:32
L:3952 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:224
L:3956 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:240
L:3964 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:272
L:4212 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:96
L:4232 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:336
L:4240 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:432
L:4244 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:480
L:4264 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:720
L:4272 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:816
L:4280 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:900
L:4340 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:16
L:4360 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:96
L:4368 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:128
L:4372 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:144
L:4392 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:224
L:4400 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:256
L:4408 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:288
L:4496 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:432
L:4500 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:480

VERIFICATION SUMMARY

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Input Set : N:\efs\10561487a_efs\66168_03SeqList.txt

Output Set: N:\CRF4\11202006\J561487A.raw

L:4504 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:528
L:4520 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:720
L:4524 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:768
L:4528 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:816
L:4623 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:128
L:4627 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:144
L:4631 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:160
L:4647 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:224
L:4651 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:240
L:4655 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:256
L:4907 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:624
L:4999 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:192